E. S. KIESTER.

CANDY RIBBON CRIMPING MACHINE.

APPLICATION FILED OCT. 7, 1914.

1,162,616.

Patented Nov. 30, 1915.

2 SHEETS—SHEET 1.

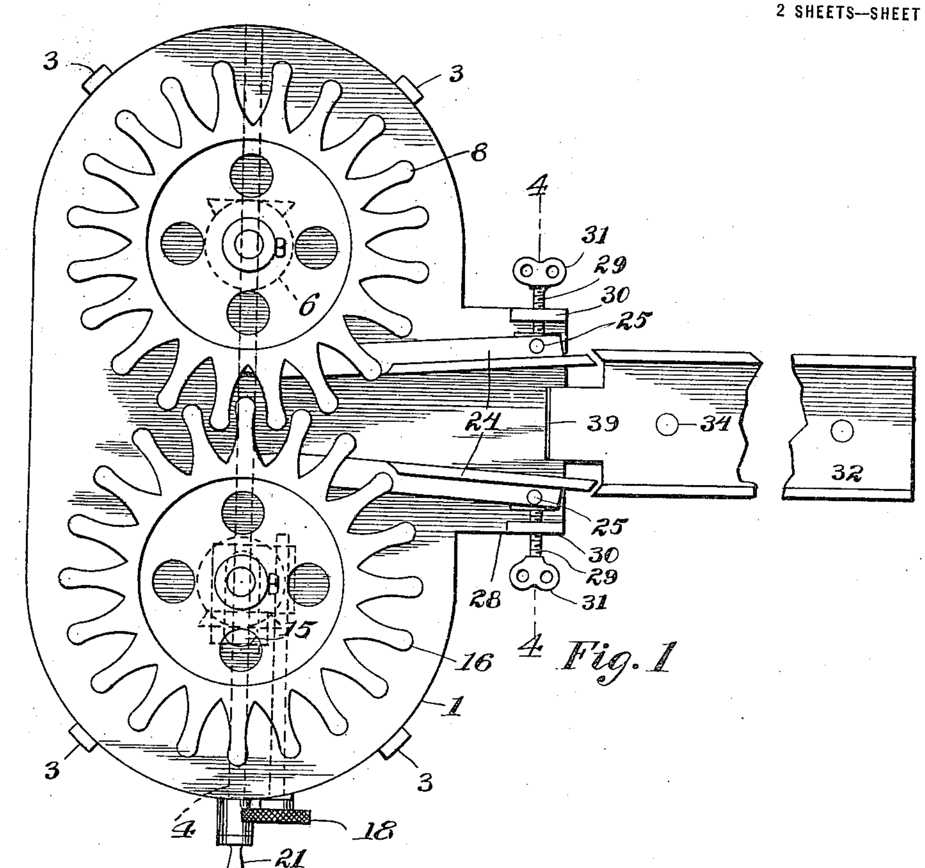

Fig. 1

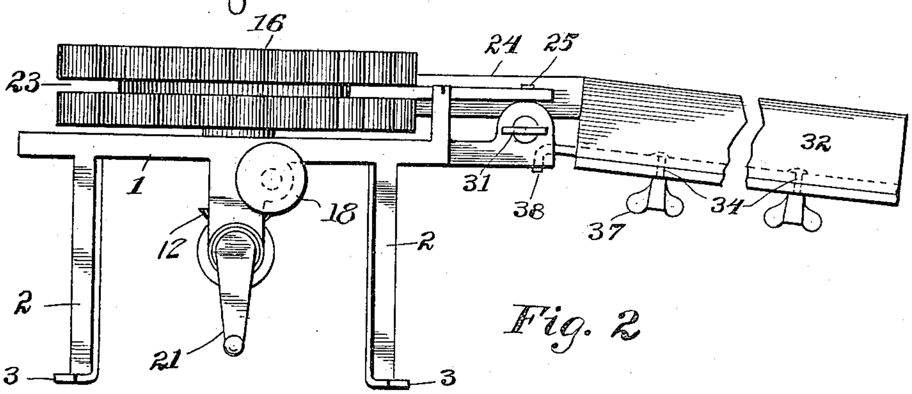

Fig. 2

Witnesses

[illegible]

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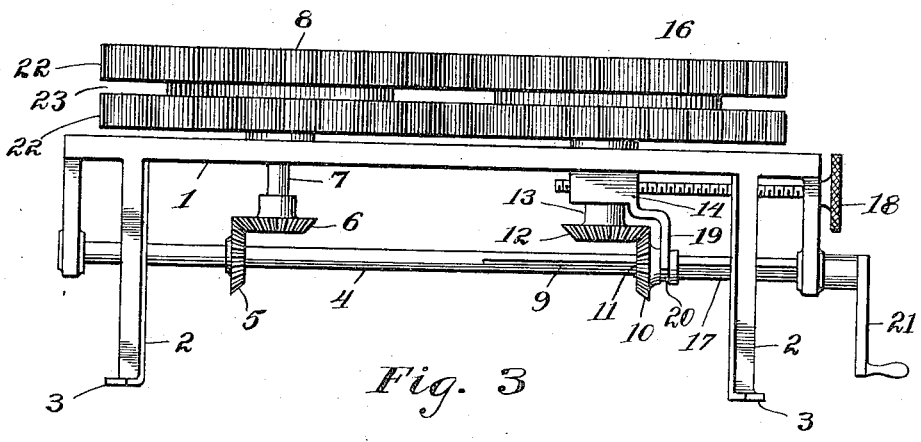

Fig. 3

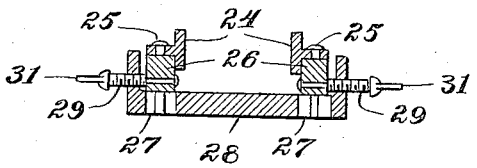

Fig. 4

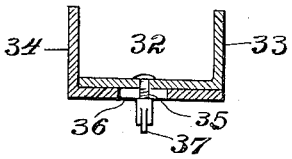

Fig. 5

Witnesses

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UNITED STATES PATENT OFFICE.

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CANDY-RIBBON-CRIMPING MACHINE.

1,162,616. Specification of Letters Patent. Patented Nov. 30, 1915.

Application filed October 7, 1914. Serial No. 865,563.

To all whom it may concern:

Be it known that I, ERNEST S. KIESTER, a citizen of the United States, residing at Lawrenceville, in the county of Lawrence and State of Illinois, have invented new and useful Improvements in Candy-Ribbon-Crimping Machines, of which the following is a specification.

This invention relates to candy making machines and more particularly to candy ribbon crimpers.

The principal object of the invention is to provide a simple and efficient machine of this character in which the ribbon will be properly crimped, stripped from the crimping rollers, and discharged from the machine without breaking the ribbon.

Another object of the invention is to provide a novel and improved form of stripping mechanism which is adjustable independently of the crimping wheels and also to provide a novel form of chute for conducting the candy away from the crimping table.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawings which form a part of this application, and in which:—

Figure 1 is a top plan view. Fig. 2 is a side elevation. Fig. 3 is a rear elevation. Fig. 4 is a sectional view taken on the line 4—4 of Fig. 1. Fig. 5 is a sectional view taken through the chute.

Referring more particularly to the drawings, 1 represents the crimping table, which is supported in elevated position by standards or legs 2, having laterally extending feet 3 apertured to receive fastening devices by which the table may be secured to a bench or other similar support. Journaled in the standards 2 is a shaft 4 upon which is secured a beveled pinion 5 meshing with a similar pinion 6 upon a stub shaft 7, which is keyed on one of the crimping wheels 8. The shaft is provided with a key-way 9 and slidably mounted upon the shaft is a beveled pinion 10 carrying a key 11 to engage in the key-way and meshing with a similar pinion 12 secured to the end of the shaft 13 which is carried in an adjustable bearing 14 and is slidably mounted upon a slot 15 formed in the table 1. This shaft carries upon its upper end a crimping wheel 16 provided with teeth similar to the teeth on the crimping wheel 8 and meshing with the said teeth. The bearing 14 is provided with a longitudinally threaded bolt into which is screwed a threaded shaft 17 loosely journaled upon one of the standards 2 and provided with an operating button or handle 18 upon its outer end. The bearing also carries an arm 19 which straddles the shaft 9 and fits in an annular groove formed in the extended collar 20 which is integral with the gear 10. The shaft 9 is driven by an ordinary crank handle 21 and the gearing is so arranged that both wheels will be driven simultaneously and in such manner that the teeth thereof will not contact with one another, the screw 17 being provided for adjustment of the wheel 16 to secure larger or shorter waves in the crimping of the ribbon.

Each wheel 8 and 16 is provided with a double set of crimping teeth 22, which sets are separated by a central groove 23 in which the stripping fingers 24 are located. These stripping fingers are constructed of angle-iron with the vertical flanges thereof cut away for a predetermined depth to permit the passage of the teeth of the wheel, and this extended portion is curved upon its outer face so as to fit the wheels as will be readily understood. These stripping fingers are pivoted at their outer ends upon studs 25 carried by mounting plugs 26 and traveling within slots 27 arranged at opposite sides of the discharge lip 28 which projects outwardly from and lies in a plane with the table 1. The plugs 26 are provided with a threaded bolt into which are screwed the adjustable screws 29 journaled in depending ears 30 formed on the lip 28 and having operating buttons 31 secured in their outer ends. These stripping fingers are adapted to deliver the crimped ribbon to a chute indicated at 32 and consisting of a pair of elongated L-irons 33 and 34, the former having secured to its horizontal flange a plurality of bolts 35 which pass through slots 36 in the horizontal flange of the member 34 and having threaded thereon the thumb nuts 37. It will be seen from the foregoing that this chute may be adjusted as to width so as to accommodate any size ribbon formed by the machine. The inner end of the horizontal flange of the section 33 has formed thereon a hook 38 adapted to engage in an aperture or slot 39 formed in the forward edge of the lip 28.

Having thus described my invention, what is claimed as new is:—

1. In a candy crimping machine, a table, a crimping wheel journaled to rotate above the table and having a stationary axis, a second crimping wheel arranged to coact with the first crimping wheel and having a movable axis whereby the wheels are made relatively adjustable, said wheels having a separated series of teeth, adjustable stripping fingers carried by the table and fitted between the teeth, and a discharging chute removably engaged with the table.

2. In a candy crimping machine, a table, a crimping wheel rotatably mounted on said table, a bearing slidable on said table, a vertical shaft journaled in said bearing, the second crimping wheel secured to the upper end of said shaft, a pinion secured to the lower end of said shaft, a horizontal shaft journaled in the under side of said table, a second pinion slidably mounted in the last named shaft and meshing with the first mentioned pinion, an arm carried by said bearing and connected to the second pinion, and means for moving said bearing whereby the second crimping wheel will be adjusted with relation to the first crimping wheel.

In testimony whereof I affix my signature in presence of two witnesses.

ERNEST S. KIESTER.

Witnesses:

OTTO W. LONGENECKER,

ALBERT C. STILES.